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**Schlumberger**

**FAX TRANSMITTAL COVER PAGE**

Our Fax No.: (281) 285-8569

Date: June 27, 2001

**PLEASE DELIVER TO:** Mr. Darrell C. Cottman  
703-305-3230

**FROM:**

[ ] Catherine Menes (281) 285-8606  
[ ] Thomas O. Mitchell (281) 285-4490  
[ ] Stephen Schlather

[ X] Tricia E. Van Hooser (281) 285-4665  
[ ] Yvonne Loftin (281) 285-7165

**COMMENTS:** 57.0286PCT/US, U.S. Application No. 09/647,272  
**ATTN.:** Mr. Darrell C. Cottman

Per our telephone conversation today, attached are documents that were submitted to the USPTO in response to the "Notification of Missing Requirements" dated 20 Oct 2000. Please call me to discuss the details of this application. There is a confusing issue concerning this application that we need to consider, talk about and resolve. My telephone number is 281-285-4665.

*Tricia E. van Hooser*  
Tricia E. van Hooser

**18 Pages**  
**(Including Transmittal Sheet)**

**NOTICE OF CONFIDENTIALITY**

This information contained in and transmitted with this facsimile is:

1. SUBJECT TO THE ATTORNEY-CLIENT PRIVILEGE;
2. ATTORNEY WORK PRODUCT; OR
3. CONFIDENTIAL

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If you do not receive all pages, please call: (281) 285-4665



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
Address: ASSISTANT COMMISSIONER FOR PATENTS  
Box PCT  
Washington, D.C. 20231

|                      |                       |                               |
|----------------------|-----------------------|-------------------------------|
| U.S. APPLICATION NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO.              |
| 09/647272            | DAVIES S              | 57.0286PCT/U                  |
|                      |                       | INTERNATIONAL APPLICATION NO. |
|                      |                       | PCT/GB99/00942                |
| I.A. FILING DATE     |                       | PRIORITY DATE                 |
| 25 MAR 99            |                       | 27 MAR 98                     |

DATE MAILED:

**11 JUN 2001**

### **NOTIFICATION OF ABANDONMENT**

The United States Patent and Trademark Office in its capacity as

a Designated Office (37 CFR 1.494),  an Elected Office (37 CFR 1.495), has made the following determination:

1.  Applicant's letter of express abandonment received \_\_\_\_\_ is in compliance with CFR 1.138 and is hereby acknowledged.
2.  Applicant has failed to provide the full U.S. Basic National Fee by  20 months (37 CFR 1.494(b)(2)),  
 30 months (37 CFR 1.495(b)(2)).
3.  Applicant has failed to respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed 20 OCT 00 within the time period set therein.
4.  Applicant has failed to properly respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed \_\_\_\_\_ within the time period set therein. See the attached NOTIFICATION OF DEFECTIVE RESPONSE (Form PCT/DO/EO/916).
5.  Other.

Therefore, the above identified application failed to meet the requirements of 35 U.S.C 371 and 37 CFR  1.494,  1.495 and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

**COTTMAN, DARRELL C.**

Telephone: 703-305-3693

MT

On the date stamped hereon, the following was received in the United States Designated/Elected Office (DO/EO/US):

- Reply to Notification of Missing Requirements  
w/ Form PCT/DO/EO/905
- Transmittal Letter to the U.S. Designated/Elected Office
- Copy of Notification and original date-stamped postcard with Filing date and serial number
- Oath or Declaration including Power of Attorney
- Assignment, recordation form, cover letter & envelope
- Certified copy of
- Extension of time for one-month
- Postcard

Applicant:: Stephan N. Davies et al.

Title: METHOD AND COMPOSITIONS FOR WATER CONTROL

Serial No.: 09/047,273

Atty: M. Bani-Jamali

Docket File: 57,0286PCT/US

Mailed: Nov. 15, 2000

Due Date: 11/20/00

525 Rec'd PCT/PTO 20 NOV 2000

|   |   |   |
|---|---|---|
| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |   | ATTORNEY'S DOCKET NUMBER<br><b>57.0286PCT/US</b>                    |
| <b>TRANSMITTAL LETTER TO THE UNITED STATE<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>  |   | U.S. APPLICATION NO. (if known, see 37 CFR 1.5<br><b>09/647,273</b> |
| INTERNATIONAL APPLICATION NO<br><b>PCT/GB99/00942</b>   | INTERNATIONAL FILING DATE<br><b>25 MARCH 99</b> | PRIORITY DATE CLAIMED<br><b>27 MARCH 98</b>                         |
| <b>TITLE OF INVENTION</b> METHOD AND COMPOSITIONS FOR WATER CONTROL   |   |   |
| APPLICANT(S) FOR DO/EO/US <b>DAVIES, Stephen N.; JONES, Timothy G.J.; OLTHOFF, Silke; and TUSTIN, Gary J.</b>   |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |   |
| <p>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> <p>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(3)).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> |   |   |
| Items 11. to 16. below concern document(s) or information included:   |   |   |
| <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information:</p> <ol style="list-style-type: none"> <li>1) Response to Notification of Missing Requirements</li> <li>2) A copy of the Notice and a copy of the postcard dated 27 SEP 2000</li> <li>3) Declaration for Patent Application</li> <li>4) Assignment with Recordation form and envelope to Assignment Branch</li> <li>5) Self-addressed, stamped postcard in evidence of USPTO receipt</li> </ol>   |   |   |

U.S. APPLICATION NO. (if known, see 37 CFR 1.5  
09/647,273INTERNATIONAL APPLICATION NO  
PCT/GB99/00942ATTORNEY'S DOCKET NUMBER:  
57.0288PCT/US

CALCULATIONS PTO USE ONLY

17.  The following fees are submitted**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5) ):**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$970.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$840.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$760.00

International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$670.00

International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$96.00

**ENTER APPROPRIATE BASIC FEE AMOUNT =**

\$

Surcharge of \$130.00 for furnishing the oath or declaration later than  20  30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 130.00

| CLAIMS   | NUMBER FILED | NUMBER EXTRA | RATE       |                  |
|--|--------------|--------------|------------|------------------|
| Total claims   | - 20 =       |              | X \$18.00  | \$               |
| Independent claims   | - 3 =        |              | X \$78.00  | \$               |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |              | + \$260.00 | \$               |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |              |            | \$               |
| Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).  |              |              |            | \$               |
| <b>SUBTOTAL =</b>  |              |              |            | \$               |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). |              |              |            | \$               |
| <b>TOTAL NATIONAL FEE =</b>  |              |              |            | \$               |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property                                 |              |              |            | + \$ 40.00       |
| <b>TOTAL FEES ENCLOSED =</b>   |              |              |            | \$ 170.00        |
|  |              |              |            | Amount to be: \$ |
|  |              |              |            | refunded \$      |
|  |              |              |            | charged \$       |

a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

- b.  Please charge my Deposit Account No. 04-1579(57.0288) in the amount of \$ 170.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1579. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Nov. 15, 2000

Patent Counsel  
Well Stimulation  
Schlumberger Technology Corporation  
110 Schlumberger Drive, MD1  
Sugar Land, Texas 77478

  
 SIGNATURE:  
**Maryam Bani-Jamali**  
 NAME: **36,084**  
 REGISTRATION NUMBER

MT

UNITED STATES DESIGNATED/ELECTED OFFICE  
DO/EO/US CONCERNING A FILING UNDER 35 U.S.C. 37

- Transmittal Letter to the U.S. Designated/Elected Office (DO/EO/US)  
Concerning A Filing Under 35. U.S.C. 37
- Priority claimed  
An Assignment Document for recording. A separate cover sheet in  
compliance with 37 CFR 3.28 and 3.32 is included
- An Oath or Declaration of the Inventor(s)
- Information Disclosure Statement
- A FIRST Preliminary Amendment
- Express Mail No.: EK767801926US
- Deposit Account Authorization       Post Card

09/647273

Applicants: Stephen N. Davies, Timothy G.J. Jones, Silke Olthoff, and Gary J. Tustin  
Title: METHOD AND COMPOSITIONS FOR WATER CONTROL  
Serial No.: FILED HEREWITH      Atty: Gordon Waggett      Docket File: 57.0286PCT  
Mailed: 027 5446 '00      Due Date:

410 Rec'd PCT/PTO 27 SEP 2000

PATENTS  
ATTORNEY DOCKET NO. 57.0286PCT/US

I hereby certify that this correspondence  
is being deposited with the United States  
Postal Service as first class mail in an  
envelope addressed to: Assistant Commissioner  
for Patents, Washington, D.C. 20231,  
on November 15, 2000

Tricia E. van Hooser  
(name of person making deposit)  
Tricia E. van Hooser  
(signature)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

|  |  |
|--|--|
| IN RE APPLICATION OF:                                  | §      DOCKET NO.: 57.0286PCT/US           |
| Stephen N. Davies et al.                               | §      §      §      §                     |
| SERIAL NO.: 09/647,273                                 | §      GROUP ART UNIT: Unknown             |
| I.A. Filing Date: 25 MAR 99                            | §      §      §      §                     |
| Priority Date: 27 MAR 98                               | §      §      §      §                     |
| International Application                              | §      §      §      §                     |
| No.: PCT/GB99/00942                                    | §      §      §      §                     |
| TITLE: METHOD AND<br>COMPOSITIONS FOR<br>WATER CONTROL | §      EXAMINER:<br>§      §      §      § |

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**  
**UNDER 35 U.S.C. 371 IN THE UNITED STATES**  
**DESIGNATED/ELECTED OFFICE (DO/EO/US)**

United States Department of Commerce  
Patent and Trademark Office  
Assistant Commissioner for Patents  
Box PCT  
Washington, D.C. 20231

Sir:

**The attached copy of the "Notification of Missing Requirements Under 35  
U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) incorrectly**

PATENTS  
ATTORNEY DOCKET NO. 57.0286PCT/US

**provides that this case was assigned U.S. Application No. "09/647272". The correct U.S. Application number that was assigned to the subject patent application is shown on the attached copy of the return-receipt postcard, date stamped 27 Sep 2000, and that is U.S. Application No. - 09/647273 -. We are therefore referring to all documents throughout this response to the "Notification of Missing Requirements" as U.S. Application No. 09/647273.**

In response to the "Notification of Missing Requirements under 35 USC 371 in the United States Designated/Elected Office (DO/EO/US)", enclosed are:

- (1) An Oath or Declaration of the Inventors which complies with 37 CFR 1.497(a) and (b), identifying the application by International application number and international filing date;
- (2) An Assignment executed by the Inventors, a recordation form cover sheet with required fee, and an envelope for delivery to the Assignment Branch.
- (3) The Commissioner is authorized to charge the fee for this petition and any additional required fee, or credit any excess fee paid, to Deposit Account No. 04-1579(57.0286). An extra copy of this paper is enclosed for charges to the Deposit Account.

PATENTS  
ATTORNEY DOCKET NO. 57.0286PCT/US

(4) Self-addressed, stamped postcard to evidence USPTO receipt.

Respectfully submitted,



Maryam Bani-Jamali  
Reg. No.: 36,084  
Attorney for Applicant(s)

Date: Nov. 15, 2000

Schlumberger Technology Corporation  
110 Schlumberger Drive, MD1  
Sugar Land, Texas 77478  
Ph: (281) 285-4524  
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In Duplicate

MT

**UNITED STATES DESIGNATED/ELECTED OFFICE  
DO/EO/US CONCERNING A FILING UNDER 35 U.S.C. 37**

- Transmittal Letter to the U.S. Designated/Elected Office (DO/EO/US)  
Concerning A Filing Under 35. U.S.C. 37
- Priority claimed  
An Assignment Document for recording. A separate cover sheet in  
compliance with 37 CFR 3.28 and 3.32 is included
- An Oath or Declaration of the Inventor(s)
- Information Disclosure Statement
- A FIRST Preliminary Amendment
- Express Mail No.: EK767801926US
- Deposit Account Authorization       Post Card

09/647273

Applicants: Stephen N. Davies, Timothy G.J. Jones, Silke Olthoff; and Gary J. Tuetin  
Title: METHOD AND COMPOSITIONS FOR WATER CONTROL  
Serial No.: FILED HEREWITH      Atty: Gordon Waggett      Docket File: 57.0286PCT  
Mailed: 027 5-16 '00      Due Date:

410 Rec'd PCT/PTO 27 SEP 2000